

Species Tag:	102002	Name:	ClClO2
Version:	1		Chloryl chloride
Date:	April. 2008		(ClO dimer isomer)
Contributor:	H. S. P. Müller		
	E. A. Cohen		
Lines Listed:	15078	Q(300.0)=	90406.8958
Freq. (GHz) <	1097	Q(225.0)=	58674.7306
Max. J:	94	Q(150.0)=	31914.9354
LOGSTR0=	-7.0	Q(75.00)=	11277.5654
LOGSTR1=	-5.3	Q(37.50)=	3987.9217
Isotope Corr.:	-0.244	Q(18.75)=	1411.3198
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	500.1085
$\mu_a$ =	0.457	A=	9450.92947
$\mu_b$ =	0.00	B=	3588.05774
$\mu_c$ =	1.502	C=	2787.93767

The rotational constants and dipole moment were reported by H. S. P. Müller and E. A. Cohen, 1999 J. Chem. Phys. **110**, 11865. Quadrupole splitting is not included in the catalog calculation and the experimental lines have not been merged. The partition function is for a molecule without quadrupole splitting. The clclo2.par and clclo2.lin files in the archive contain information for the full quadrupole calculation for the four isotopic species. Unsplit lines are treated as arising from separate molecules with no quadrupole structure but with the same rotational constants. The resulting .var file must be modified to reproduce this catalog.